

SAFETY DATA SHEETS

This SDS packet was issued with item:

078911786

N/A

**SAFETY DATA SHEET**
Annihilator Polyzone

122000009766

Version 1.1

Revision Date 02/11/2013

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Product Name: Annihilator Polyzone
MSDS Number: 122000009766

Company

BAYER HEALTHCARE LLC
Animal Health Division
12707 Shawnee Mission Parkway
(West 63rd)
Shawnee, KS 66216-1846
USA
(800) 633-3796

In case of emergency: (800) 422-9874
Chemtec: (800) 424-9300
BAYER INFORMATION PHONE:(800) 633-3796
INTERNATIONAL:(703) 527-3887

2. HAZARDS IDENTIFICATION**Emergency Overview**

CAUTION! **Colour:** Light, tan to brown **Form:** liquid **Odour:** sweet, characteristic.
Avoid contact with skin and clothing. Moderate eye irritation

Hazard Communication (29CFR 1910.1200)

Eye Contact Skin Contact Inhalation

Acute Inhalation Hazards	Do not breathe vapours or spray mist.
Acute Skin Hazards	May cause skin irritation. Avoid contact with skin and clothing.
Acute Eye Hazards	Moderate eye irritation Avoid contact with eyes.
Acute Ingestion Hazards	Do not take internally.

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
5 - 10%	Propane-1,2-diol	57-55-6

Other Ingredients Weight percent	Components	CAS-No.
4.75%	deltamethrin	52918-63-5

4. FIRST AID MEASURES

General advice: Take off all contaminated clothing immediately.

If inhaled: Remove to fresh air. Call a physician immediately.

In case of skin contact: After contact with skin, wash immediately with plenty of soap and water. If skin reactions occur, contact a physician.

In case of eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed: If swallowed, seek medical advice immediately and show this container or label.

Contact Number: Use the Bayer Emergency Number in Section 1

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: Fire may cause evolution of: Carbon monoxide Carbon dioxide (CO₂)

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Methods for cleaning up: Cover spilt product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labelled, closable containers.

Additional advice: Keep away from/remove sources of ignition.

Further Accidental Release Notes Keep away from/remove sources of ignition.

7. HANDLING AND STORAGE

Handling:

Avoid formation of aerosol. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

Take measures to prevent the build up of electrostatic charge. Keep away from open flames, hot surfaces and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:

Recommended Filter type: Organic vapor with prefilter

Hand protection:

Chemically resistant gloves.

Eye protection:

Safety glasses

Other protective measures:

Wear suitable protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour:	Light, tan to brown
Odour:	sweet characteristic
Density:	1.05 g/cm ³
pH:	4 - 5.5

10. STABILITY AND REACTIVITY

Conditions to avoid: Protect from frost.

Materials to avoid: Oxidizing agents

Hazardous reactions: None known.

Thermal decomposition:

no data available

Hazardous decomposition products:

Carbon monoxide, Carbon dioxide (CO₂)

Oxidizing properties:

No statements available.

Impact Sensitivity:

no data available

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:

LD50 rat , female : > 5,000 mg/kg

Acute inhalation toxicity:

LC50 rat: > 2.08 mg/l, 4 h

An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity:

LD50 rat: > 5,000 mg/kg

Skin irritation:

rabbit

Result: Moderate skin irritation

Eye irritation:

rabbit

Result: Moderate eye irritation

Sensitisation:

guinea pig

Result: Does not cause skin sensitization.

Genotoxicity in vitro:

deltamethrin

Result: negative

Propane-1,2-diol

Ames test Bacteria

Result: negative

Genotoxicity in vivo:

deltamethrin

Result: negative

Reproductive toxicity:

deltamethrin

rat: Result: Animal studies have produced no evidence of toxic effects on reproduction.

Teratogenicity:

deltamethrin

Result: Animal studies have produced no evidence of harmful effects on development.

12. ECOLOGICAL INFORMATION

General advice:

Do not allow to enter surface waters or groundwater.

Toxicity to fish:

deltamethrin

LC50 0.00091 mg/l

Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

Propane-1,2-diol

Acute Fish toxicity: LC50 > 20,000 mg/l

Test species: Pimephales promelas (fathead minnow) Duration of test: 96 h

Toxicity to daphnia and other aquatic invertebrates:

deltamethrin

EC50 0.00056 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 48 h

Propane-1,2-diol

LC50 34,400 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 48 h

Toxicity to bacteria:

Propane-1,2-diol

> 20,000 mg/l

tested on: Pseudomonas putida

Biodegradability:

Propane-1,2-diol

Readily biodegradable.

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Bioaccumulation:

deltamethrin

0.00006 mg/l/Oncorhynchus mykiss (rainbow trout)4 d

Bioconcentration factor (BCF)

817

13. DISPOSAL CONSIDERATIONS

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

14. TRANSPORT INFORMATION

Land transport (CFR)

Non-Regulated

Sea transport (IMDG)

Non-Regulated

Air transport (ICAO / IATA cargo aircraft only)

Non-Regulated

Air transport (ICAO / IATA passenger and cargo aircraft)

Non-Regulated

15. REGULATORY INFORMATION

Other regulations: No statements available.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

Components

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Components

None

US. EPA CERCLA Hazardous Substances (40 CFR 302)Components

None

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Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists

Weight percent	Components	CAS-No.
5 - 10%	Propane-1,2-diol	57-55-6

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

OSHA Hazcom Standard Rating Hazardous

16. OTHER INFORMATION**NFPA 704M Rating**

Health	1
Flammability	0
Reactivity	0
Other	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Rating

Health	1
Flammability	0
Physical Hazard	

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

* = Chronic Health Hazard

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.